ABSTRACT

The invention provides an arc welding robot capable of collecting and displaying waveform data in a welding operation without using an external device. The arc welding robot comprises: a manipulator 101 including a welding torch 124 mounted thereon; a control unit 102 for operating the manipulator 101 in a given operation pattern in accordance with a previously taught operation program, the control unit 102 including therein a welding part 104 for welding a member to be welded 125 under a given welding condition, and a RAM 106 for recording waveform data relating to at least one of a welding current instruction value, a welding current output value, a welding voltage instruction value, a welding voltage output value, a welding speed, a wire feed speed, the number of times of short circuits and a wire feed motor current during a given period; and, display means for graphically displaying the waveform data recorded in the RAM 106.